



SEQUENCE LISTING

<110> Hsu, Sheau-Yu
Hsueh, Aaron J.W.

<120> STRESSCOPINS AND THEIR USES

<130> STAN210

<140> 09/682,706

<141> 2001-10-09

<150> 60/276,615

<151> 2001-03-15

<150> 60/244,128

<151> 2000-10-26

<160> 15

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 339

<212> DNA

<213> Homo Sapiens

<400> 1

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ccagtgaccc	ctatcccaac	cttccagctc	cgccctcaga	attctcccca	gaccactccc	120
cgacctgagg	cctcagagag	cccctcagct	gctccacat	ggccgtgggc	tgcccagagc	180
cactgcagcc	ccaccgcga	ccctggctcg	cgcatgtgcc	tatcgctgga	tgtccccatc	240
ggcctcttgc	agatcttact	ggagcaagcc	cgggccaggg	ctgccaggga	gcaggccacc	300
accaacgccc	gcactctggc	ccgtgtcggc	cactgctga			339

<210> 2

<211> 112

<212> PRT

<213> Homo Sapiens

<400> 2

Met	Thr	Arg	Cys	Ala	Leu	Leu	Leu	Leu	Met	Val	Leu	Met	Leu	Gly	Arg
1				5					10					15	
Val	Leu	Val	Val	Pro	Val	Thr	Pro	Ile	Pro	Thr	Phe	Gln	Leu	Arg	Pro
			20					25					30		
Gln	Asn	Ser	Pro	Gln	Thr	Thr	Pro	Arg	Pro	Ala	Ala	Ser	Glu	Ser	Pro
		35					40					45			
Ser	Ala	Ala	Pro	Thr	Trp	Pro	Trp	Ala	Ala	Gln	Ser	His	Cys	Ser	Pro
	50					55					60				
Thr	Arg	His	Pro	Gly	Ser	Arg	Ile	Val	Leu	Ser	Leu	Asp	Val	Pro	Ile
65					70					75					80

TECH CENTER

TECH CENTER 1600/2900

JAN 03

JAN 03 2001

RECEIVED

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Gly Leu Leu Gln Ile Leu Leu Glu Gln Ala Arg Ala Arg Ala Ala Arg
85 90 95
Glu Gln Ala Thr Thr Asn Ala Arg Ile Leu Ala Arg Val Gly His Cys
100 105 110

<210> 3
<211> 43
<212> PRT
<213> Homo sapiens

<400> 3
His Pro Gly Ser Arg Ile Val Leu Ser Leu Asp Val Ile Leu Gly Leu
1 5 10 15
Leu Gln Ile Leu Leu Glu Gln Ala Arg Ala Arg Ala Ala Arg Glu Gln
20 25 30
Ala Thr Thr Asn Ala Arg Ile Leu Ala Arg Val
35 40

<210> 4
<211> 486
<212> DNA
<213> Homo sapiens

<400> 4
atg ctg atg ccg gtc cac ttc ctg ctg ctc ctg ctg ctg ctc ctg ggg 48
ggc ccc agg aca ggc ctc ccc cac aag ttc tac aaa gcc aag ccc atc 96
ttc agc tgc ctc aac acc gcc ctg tct gag gct gag aag ggc cag tgg 144
gag gat gca tcc ctg ctg agc aag agg agc ttc cac tac ctg cgc agc 192
aga gac gcc tct tgc gga gag gag gag gag ggc aaa gag aaa aag act 240
ttc ccc atc tct ggg gcc agg ggt gga gcc gga ggc acc cgt tac aga 288
tac gtg tcc caa gca cag ccc agg gga aag cca cgc cag gac aca gcc 336
aag agt ccc cac cgc acc aag ttc acc ctg tcc ctc gac gtc ccc acc 384
aac atc atg aac ctc ctc ttc aac atc gcc aag gcc aag aac ctg cgt 432
gcc cag gcg gcc gcc aat gcc cac ctg atg gcg caa att ggg agg aag 480
aag tag 486

<210> 5
<211> 161
<212> PRT
<213> Homo sapiens

<400> 5
Met Leu Met Pro Val His Phe Leu Leu Leu Leu Leu Leu Leu Gly
1 5 10 15
Gly Pro Arg Thr Gly Leu Pro His Lys Phe Tyr Lys Ala Lys Pro Ile
20 25 30
Phe Ser Cys Leu Asn Thr Ala Leu Ser Glu Ala Glu Lys Gly Gln Trp
35 40 45
Glu Asp Ala Ser Leu Leu Ser Lys Arg Ser Phe His Tyr Leu Arg Ser
50 55 60
Arg Asp Ala Ser Ser Gly Glu Glu Glu Glu Gly Lys Glu Lys Lys Thr
65 70 75 80

Phe Pro Ile Ser Gly Ala Arg Gly Gly Ala Gly Gly Thr Arg Tyr Arg
 85 90 95
 Tyr Val Ser Gln Ala Gln Pro Arg Gly Lys Pro Arg Gln Asp Thr Ala
 100 105 110
 Lys Ser Pro His Arg Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr
 115 120 125
 Asn Ile Met Asn Leu Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg
 130 135 140
 Ala Gln Ala Ala Ala Asn Ala His Leu Met Ala Gln Ile Gly Arg Lys
 145 150 155 160
 Lys

<210> 6
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 6
 Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu
 1 5 10 15
 Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala
 20 25 30
 Asn Ala His Leu Met Ala Gln Ile
 35 40

<210> 7
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 7
 Arg Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
 1 5 10 15
 Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala
 20 25 30
 His Ser Asn Arg Lys Leu Met Glu Ile Ile
 35 40

<210> 8
 <211> 42
 <212> PRT
 <213> Mus musculus

<400> 8
 Arg Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
 1 5 10 15
 Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala
 20 25 30
 His Ser Asn Arg Ile Ile Phe Asp Ser Val
 35 40

<210> 9
<211> 42
<212> PRT
<213> Homo sapiens

<400> 9
Arg Arg Asp Asn Pro Ser Leu Ser Ile Asp Leu Thr Phe His Leu Leu
1 5 10 15
Arg Thr Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala
20 25 30
Glu Gln Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 10
<211> 42
<212> PRT
<213> Mus musculus

<400> 10
Arg Arg Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu
1 5 10 15
Arg Thr Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala
20 25 30
Glu Gln Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 11
<211> 42
<212> PRT
<213> Carassius auratus

<400> 11
Arg Asn Asp Asp Pro Pro Ile Ser Ile Asp Leu Thr Phe His Leu Leu
1 5 10 15
Arg Asn Met Ile Glu Met Ala Arg Asn Glu Asn Gln Arg Glu Gln Ala
20 25 30
Gly Leu Asn Arg Lys Tyr Leu Asp Glu Val
35 40

<210> 12
<211> 42
<212> PRT
<213> Catostomus commersoni

<400> 12
Arg Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
1 5 10 15
Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala
20 25 30
His Ser Asn Arg Lys Met Met Glu Ile Phe

35

40

<210> 13

<211> 42

<212> PRT

<213> *Catostomus commersoni*

<400> 13

Arg	Ser	Glu	Glu	Pro	Pro	Ile	Ser	Leu	Asp	Leu	Thr	Phe	His	Leu	Leu
1				5					10					15	

Arg	Glu	Val	Leu	Glu	Met	Ala	Arg	Ala	Glu	Gln	Leu	Val	Gln	Gln	Ala
			20						25					30	

His	Ser	Asn	Arg	Lys	Met	Met	Glu	Ile	Phe
		35						40	

<210> 14

<211> 40

<212> PRT

<213> *Phyllomedusa sauvagei*

<400> 14

Gln	Gly	Pro	Pro	Ile	Ser	Ile	Asp	Leu	Ser	Leu	Glu	Leu	Leu	Arg	Lys
1				5					10					15	

Met	Ile	Glu	Ile	Glu	Lys	Gln	Glu	Lys	Glu	Lys	Gln	Gln	Ala	Ala	Asn
			20					25						30	

Asn	Arg	Leu	Leu	Leu	Asp	Thr	Ile
		35					40

<210> 15

<211> 40

<212> PRT

<213> *Takifugu rubripes*

<400> 15

Ser	Arg	Leu	Thr	Leu	Ser	Leu	Asp	Val	Pro	Thr	Asn	Ile	Met	Asn	Val
1				5					10					15	

Leu	Phe	Asp	Val	Ala	Lys	Ala	Lys	Asn	Leu	Arg	Ala	Lys	Ala	Ala	Glu
			20					25						30	

Asn	Ala	Arg	Leu	Leu	Ala	His	Ile
		35					40